

NIOSH Industry and Occupation Computerized Coding System



Training Guide

Version 2.4

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Training Guide

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NIOCCS Home Page -

NIOCCS Home Page

Application URL: <http://www.cdc.gov/niosh-nioccs>

NIOSH Industry and Occupation Computerized Coding System (NIOCCS)


[NIOSH > NIOCCS HOME](#)

Coding
Help

Welcome to NIOCCS

The NIOSH Industry & Occupation Computerized Coding System (NIOCCS) is a web-based system that translates industry and occupation (I&O) text into standardized I&O codes.

System Features Include:

- Automatic and Computer-Assisted coding
- Single Record or Batch File submission
- Crosswalk Coding

NIOCCS is available free of charge. Users must register for a NIOCCS account if they wish to submit a batch of records for coding.

To learn more about the NIOCCS software:

- See [NIOCCS Overview](#) Web Page
- Hover on the NIOCCS **Help** menu for support options -OR-
- Click [here](#) to contact NIOCCS User Support

NIOCCS User Support hours of operation:
Monday - Friday 8:00am - 5:00pm EST

[Logon](#) to NIOCCS

[Register](#) for a NIOCCS Account



News / Updates

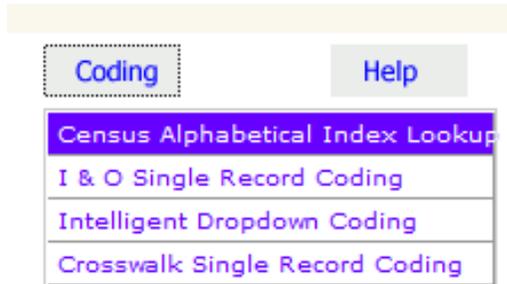
NIOCCS Enhancements 3/26/2013

1. Added a new menu item under the **Coding** menu to perform Census Index Searches.
2. Made some special rules corrections.
3. Added flags to the View All screen to indicate if the record was autocoded or not.
4. NAICS codes in the download file have been corrected. The crosswalk developed by Census was used, which can show more than one NAICS codes for a single Census code.

Even if you are not logged on, these features are available.

Menu Items	Options
Coding	<ul style="list-style-type: none"> • Census Alphabetical Index Lookup • I&O Single Record Coding • Intelligent Dropdown Coding • Crosswalk Single Record Coding
Help	<ul style="list-style-type: none"> • NIOCCS User Documentation • Frequently Asked Questions (FAQ) • Contact Us / Feedback • NIOSH I&O Coding Web Page • About NIOCCS

Census Alphabetical Index Lookup -



Not Logged On Mode

NIOSH Industry and Occupation Computerized Coding System (NIOCCS)

NIOSH > NIOCCS HOME

[Coding](#) [Help](#)

Census Alphabetical Indexes

Coding Scheme:

Industry Index Find:

Title	Ind Code	NAICS	Occ Code
Select HOSPICE ANY OTHER--SEE "HOSPITAL"			
Select HOSPICE CLINIC	8270	622110	
Select HOSPICE FOUNDATION	9170	813311	
Select HOSPICE HOME NURSING CARE	8170	621610	
Select HOSPICE HOME SERVICE	8170	621610	
Select HOSPICE INSURANCE	6390	524114	
Select HOSPICE LAUNDRY	8270	623110	
Select HOSPICE MANAGEMENT	7780	561210	
Select HOSPICE SOCIETY	9170	813311	
Select HOSPICE, EXC. HOME CARE	8270	623110	
Select HOSPITAL N. S.	8190	622110	
Select HOSPITAL BEDS (MFG.)	3960	339111	
Select HOSPITAL CAFETERIA	8680	722212	
Select HOSPITAL CLEANING SERVICE	7690	561720	
Select HOSPITAL CLINIC	8190	622310	
Select HOSPITAL EQUIPMENT (WHSL.)	4170	423450	
Select HOSPITAL FLOWER SHOP (RETAIL)	5470	453110	
Select HOSPITAL FOUNDATION	9170	813311	
Select HOSPITAL GARMENTS (MFG.)	1880	313299	
Select HOSPITAL GIFT SHOP (RETAIL)	5570	453220	

Occupation Index Find:

Title	Occ Code	Ind Restriction	SOC
Select PHYSICAL DIRECTOR	8220		27-2022
Select PHYSICAL GEOGRAPHER	1860		19-3052
Select PHYSICAL MEDICINE AND REHABILITATION SPECIALIST	3060		29-1069
Select PHYSICAL METALLURGIST	1430		17-4181
Select PHYSICAL METEOROLOGIST	1710		19-2021
Select PHYSICAL OCEANOGRAPHER	1740		19-2042
Select PHYSICAL SCIENCE AIDE	1960		19-4099
Select PHYSICAL SCIENTIST	1760		19-2099
Select PHYSICAL THERAPIST	3160		19-1123
Select PHYSICAL THERAPY N. S., ASSOCIATE DEGREE	3620		31-2021
Select PHYSICAL THERAPY N. S., BACHELOR'S DEGREE OR HIGHER	2160		29-1123
Select PHYSICAL THERAPY N. S., LESS THAN ASSOCIATE DEGREE	3620		31-2022
Select PHYSICAL THERAPY AIDE	3620		31-2022
Select PHYSICAL THERAPY ATTENDANT	3620		31-2022
Select PHYSICAL THERAPY NURSE	3130		29-1111
Select PHYSICIAN	8060 (7970)		29-1069
Select PHYSICIAN'S AIDE	3650		31-9052
Select PHYSICIST	1700 (7490)		19-2012
Select PHYSIOLOGICAL CHEMIST	1720 (7490)		19-2031
Select PHYSIOLOGIST	1610		19-1029

S. L. 465 468 467 468 S. L. 881 882 883 884

Census Alphabetical Index Lookup is the tool used to look up an industry or occupation code from the Index. Census 2000 and 2002 are available for code lookup.

Single Record Coding

Coding
Help

[Census Alphabetical Index Lookup](#)

[I & O Single Record Coding](#)

[Intelligent Dropdown Coding](#)

[Crosswalk Single Record Coding](#)

Not Logged On Mode

NIOSH Industry and Occupation Computerized Coding System (NIOCCS)



[NIOSH](#) > [NIOCCS HOME](#)

Coding

Help

I/O Single Record Coding

Industry Title:

Occupation Title:

Coding Scheme: Autocoding Confidence Level:

(Below are optional fields)

Employer: Employment State: Age: Education:

NIOCCS suggested code:

	Code	Matched Title
Industry	6890	AGENCY,BUSINESS LOAN
Occupation	0800	ACCOUNTANT

Other Possible Matches:

Industry

Ind Code	Ind Matched
6890	AGENCY,BUSINESS LOAN
7270	AGENCY,PATENT
7590	AGENCY,CREDIT
7670	AGENCY,TRAVEL
6290	AGENCY,SHIPPING
8370	AGENCY,ADOPTION
8560	AGENCY,ARTISTS'
6990	AGENCY,INSURANCE
7680	AGENCY,DETECTIVE
7580	AGENCY,MUSICIANS'

Occupation

Occ Code	Occ Matched
0800	ACCOUNTANT
5120	ACCOUNTING CLERK,EXC. MACHINE OPERATOR
5110	ACCOUNTING MACHINE OPERATOR
5630	COUNTER
8320	SEWING
9310	TOWING

« < 1 > »

« < 1 > »

Single Record Coding

Not Logged On Mode -

[Coding](#)

[I & O Single Record Coding](#)

[Crosswalk Single Record Coding](#)



Crosswalk Single Record Coding

Input I&O Coding Scheme: 1990

Target I&O Coding Scheme: 2000

Input Industry Code:

Input Occupation Code:

142

744

Submit

Crosswalk Results:

Industry:	Code	Standard Title	NAICS
	147	FIBER, YARN, AND THREAD MILLS	313111
	148	FABRIC MILLS, EXCEPT KNITTING	3132

Occupation:	Code	Standard Title	SOC
	832	SEWING MACHINE OPERATORS	51-6031
	835	TAILORS, DRESSMAKERS, AND SEWERS	51-6051
	871	CUTTING WORKERS	51-9031

NIOCCS Help

Help
NIOCCS User Documentation
FAQ
Contact Us \ Feedback
I & O Coding Web Page

NIOCCS User Documentation

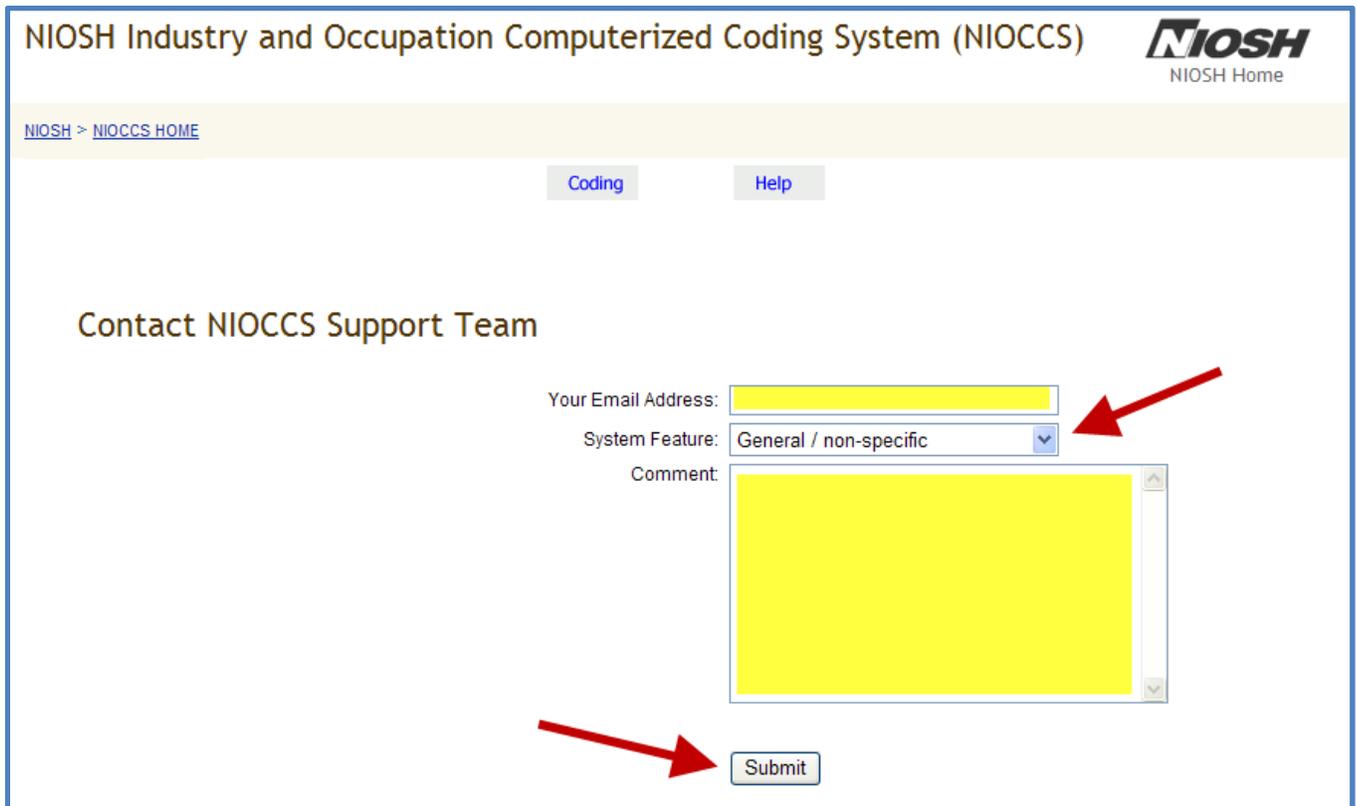
A detailed NIOCCS User Manual is provided along with input file format templates and I&O Coding Instruction Manuals.

Frequently Asked Questions (FAQ)

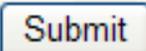
Questions and answers are available by clicking on the FAQ link. More will be added after users begin to use the system and send questions to NIOSH.

Contact Us \ Feedback

This screen provides a means for users to send comments and questions or to report errors to the NIOCCS Support Team.

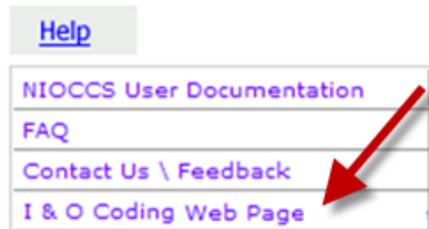


The screenshot shows the NIOCCS website interface. At the top, it says "NIOSH Industry and Occupation Computerized Coding System (NIOCCS)" and the NIOSH logo. Below that is a navigation bar with "Coding" and "Help" buttons. The main heading is "Contact NIOCCS Support Team". The form includes a text input for "Your Email Address:", a dropdown menu for "System Feature:" (currently set to "General / non-specific"), and a large text area for "Comment:". A "Submit" button is at the bottom. Red arrows point to the email field, the system feature dropdown, and the submit button.

1. Enter email address (*this will already be filled in if the user has a NIOCCS account and is logged on*).
2. Select the System Feature.
3. Enter question, suggestion, error, etc. in the **Comment:** box.
4. Click the  button.

An email will be sent to the NIOCCS Team and a response will be sent to the email provided as soon as possible.

NIOSH Industry and Occupation Coding Web Page



<http://www.cdc.gov/niosh/topics/coding/> -

A screenshot of the NIOSH website page titled 'INDUSTRY AND OCCUPATION CODING AND SUPPORT'. The page features a navigation sidebar on the left with categories like 'Workplace Safety and Health Topics', 'Industries & Occupations', and 'Safety & Prevention'. The main content area includes a breadcrumb trail, social media sharing options, and a detailed description of NIOSH's role in occupational hazard surveillance. Below this is a section for 'I&O Coding Services and Support' with four sub-sections: 'Training', 'Software', 'Consultation', and 'Related Links'. A right-hand sidebar contains utility links like 'Email page', 'Print page', and 'Subscribe to RSS', along with contact information for the National Institute for Occupational Safety and Health (NIOSH). The CDC logo and 'Centers for Disease Control and Prevention' text are visible at the top left.

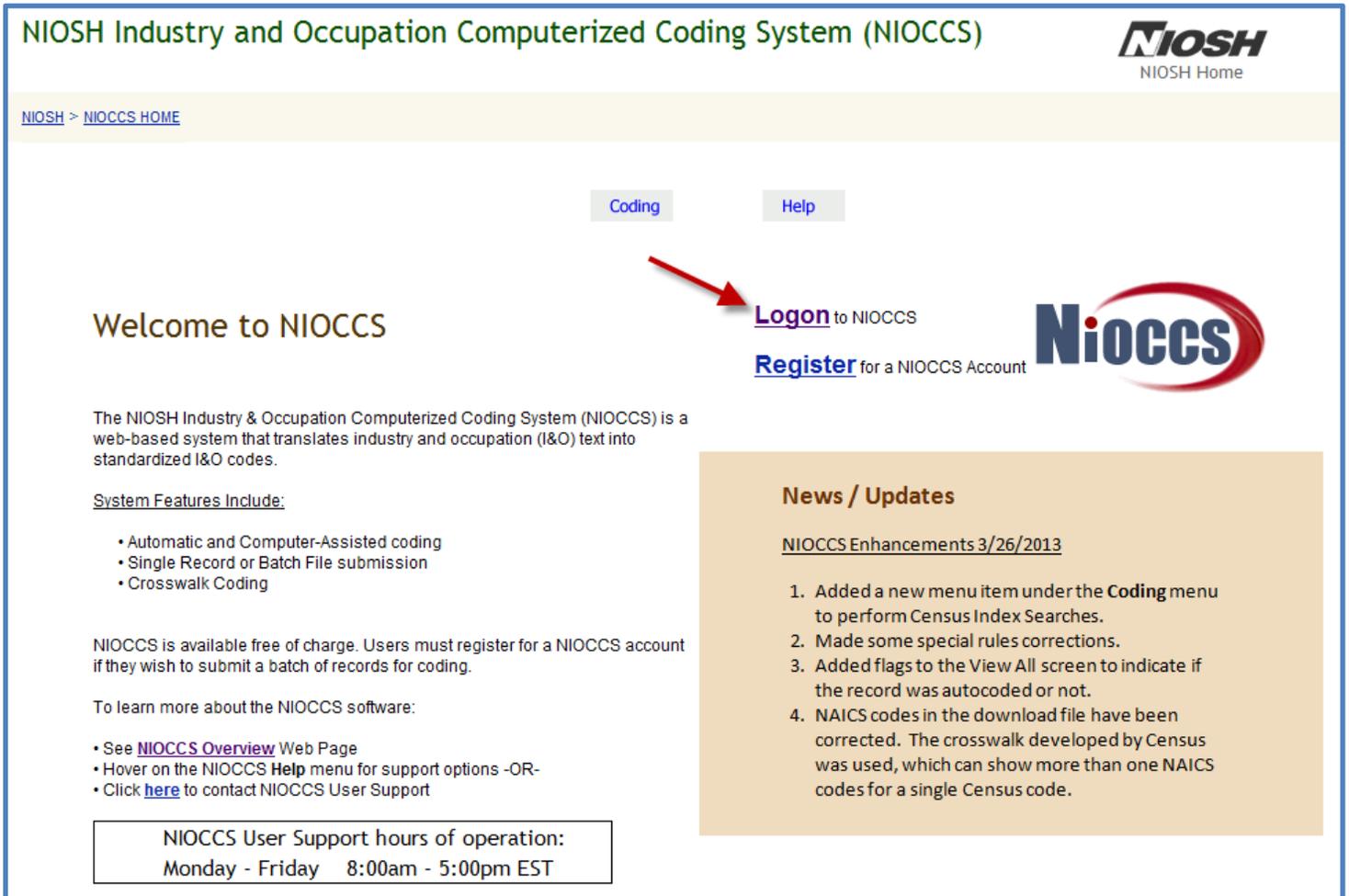
After clicking “I&O Coding Web Page” from the NIOCCS Help menu, this web page will open in a new window.

The purpose of this web page is to provide I&O Coding specific information and support.



Logging On -

Logging On -



The screenshot shows the NIOSH Industry and Occupation Computerized Coding System (NIOCCS) home page. At the top left, the title "NIOSH Industry and Occupation Computerized Coding System (NIOCCS)" is displayed in green. To the right is the NIOSH logo with "NIOSH Home" underneath. Below the title is a navigation bar with "NIOSH > NIOCCS HOME". The main content area features a "Coding" button and a "Help" button. A red arrow points to the "Logon to NIOCCS" link, which is highlighted in blue. Below it is a "Register for a NIOCCS Account" link. The "Nioccs" logo is on the right. The page includes a "Welcome to NIOCCS" section, a description of the system, "System Features Include:" (Automatic and Computer-Assisted coding, Single Record or Batch File submission, Crosswalk Coding), availability information, and a "News / Updates" section titled "NIOCCS Enhancements 3/26/2013" with four numbered items. A box at the bottom left contains user support hours: "Monday - Friday 8:00am - 5:00pm EST".

NIOSH Industry and Occupation Computerized Coding System (NIOCCS)

NIOSH Home

NIOSH > NIOCCS HOME

Coding Help

Welcome to NIOCCS

[Logon](#) to NIOCCS
[Register](#) for a NIOCCS Account

Nioccs

The NIOSH Industry & Occupation Computerized Coding System (NIOCCS) is a web-based system that translates industry and occupation (I&O) text into standardized I&O codes.

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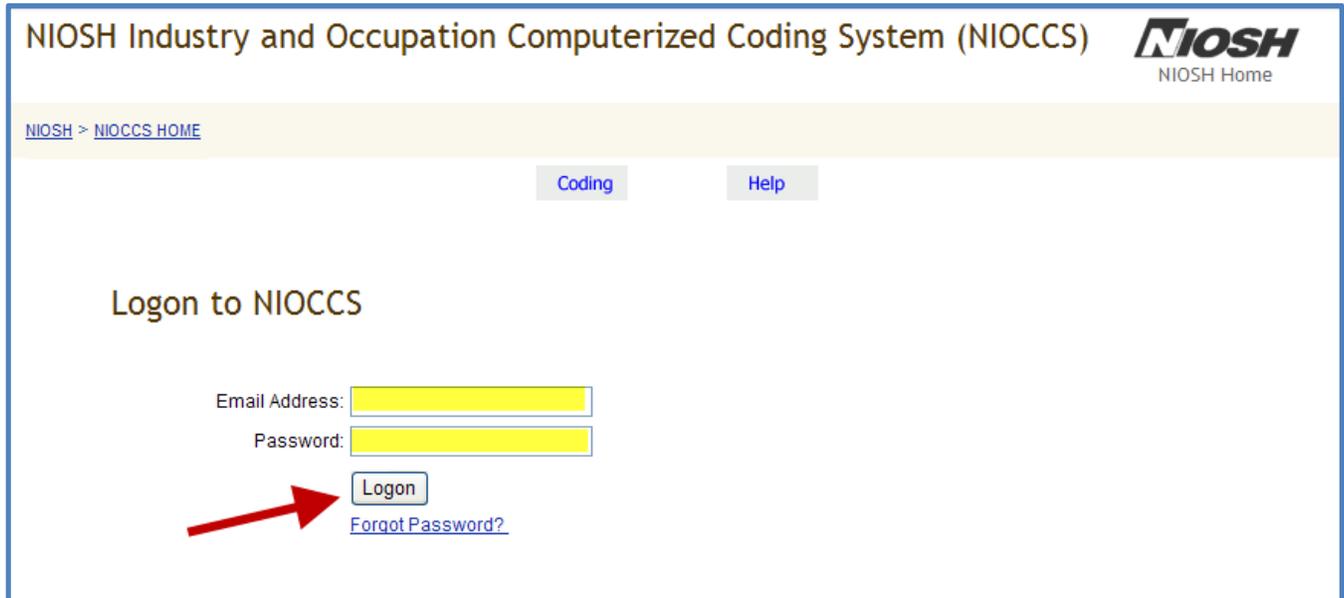
News / Updates

NIOCCS Enhancements 3/26/2013

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2. Made some special rules corrections.
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4. NAICS codes in the download file have been corrected. The crosswalk developed by Census was used, which can show more than one NAICS codes for a single Census code.

Click the **Logon** link on the NIOCCS Home Page to logon to the system.

NIOCCS Logon Screen -



The screenshot shows the NIOCCS login interface. At the top, it reads "NIOSH Industry and Occupation Computerized Coding System (NIOCCS)" with the NIOSH logo and "NIOSH Home" to the right. Below this is a navigation bar with "Coding" and "Help" buttons. The main heading is "Logon to NIOCCS". There are two input fields: "Email Address:" and "Password:", both highlighted in yellow. Below the password field is a "Logon" button, which is also highlighted in yellow and pointed to by a red arrow. A link for "Forgot Password?" is located below the "Logon" button.

Enter your NIOCCS User Account and Password then click -
the  button to logon to NIOCCS.

NIOCCS Home Page – Logged On Mode

NIOSH Industry and Occupation Computerized Coding System (NIOCCS)

NIOSH Home

NIOSH > NIOCCS HOME

Coding Account Help currently logged on as sxn1@cdc.gov Logoff

Welcome to NIOCCS

Summary of Your Files

I/O Coding Files	Uploaded:	2
	Autocoded:	2
	Historical:	16
Crosswalk Files	Uploaded:	1
	Autocoded:	1
	Historical:	4

News / Updates

NIOCCS Enhancements 3/26/2013

1. Added a new menu item under the **Coding** menu to perform Census Index Searches.
2. Made some special rules corrections.
3. Added flags to the View All screen to indicate if the record was autocoded or not.
4. NAICS codes in the download file have been corrected. The crosswalk developed by Census was used, which can show more than one NAICS codes for a single Census code.

Notice the new menu items and information at the top. -

- Coding Menu drop down has more options -
- Account Menu item appears -
- 'Currently logged on as.....' is displayed -
- Logoff Menu item appears -



NIOCCS User Account -

NIOCCS User Account



My Profile Screen

Use this screen to update/change Contact Phone#, Autocoding Default settings, and account password.

My Profile Screen:

Field	Description
Organization	Entered at time of registration, not editable.
Contact Phone#	Phone # used by NIOCCS support staff if user cannot be contacted by email.
Default I&O Coding Scheme	The I&O Coding scheme selected will be the default scheme selected in the autocoding options screen. This is for ease of use.
Default Autocoding Confidence Level	Used by NIOCCS to select matched candidates for the input I&O text where the confidence of the accuracy rate equals: <p style="text-align: center;">High = > 90% Medium = > 70% Low = > 30%</p> The confidence level selected will be the default selected in the autocoding options screen. This is for ease of use.

View Historical Files Screen

This screen allows the user to view a history of files uploaded, coded, and downloaded within the NIOCCS system. Files are not accessible from this screen.

File retention rules:

- Uploaded files are retained for 30 days from the day uploaded, after which they will be removed from NIOCCS. The user must upload again if needed.
- Autocoded files will be retained for 30 days then it will be removed - automatically from NIOCCS. -

NIOSH Industry and Occupation Computerized Coding System (NIOCCS)

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Coding
Account
Help

currently logged on as
sxn1@cdc.gov
Logoff

Historical Files Overview

Show All
 Show I/O Files Only
 Show Crosswalk Files Only

Filter by: Autocoded Files

« < 1 > »
Records Per Page: 30
Refresh List

Run Name	File Name	Census Coding Scheme	Confidence Level	Total # Records	# Ind Coded	# Occ Coded	Date Uploaded	Date Autocoded	Dates Downloaded	Date Removed
Demo	Example1_Input_File_I&O.txt	2002	HIGH	13	7	8	2/13/2013 8:14:24 AM	2/13/2013 8:14:32 AM	N/A	4/14/2013 12:00:00 AM
test2	IO_Coding_Example1.txt	2002	HIGH	17	8	9	12/19/2012 8:44:54 AM	12/19/2012 8:44:31 AM	N/A	2/17/2013 12:00:00 AM
test	IO_Coding_Example1.txt	2002	HIGH	17	12	9	12/19/2012 8:42:01 AM	12/19/2012 8:41:50 AM	N/A	2/17/2013 12:00:00 AM
Example2_crosswalk_1990-2000	crosswalk_Example2_1990_2000.txt	2000	N/A	42	33	32	12/13/2012 9:18:29 AM	12/13/2012 9:19:55 AM	N/A	2/11/2013 12:00:00 AM
Example1_2002_high	IO_Coding_Example1.txt	2002	HIGH	17	0	0	12/13/2012 9:09:57 AM	N/A	N/A	2/11/2013 12:00:00 AM
Example1_2002_high	IO_Coding_Example1.txt	2002	HIGH	17	0	0	12/13/2012 9:03:47 AM	N/A	N/A	2/11/2013 12:00:00 AM
Example2_Crosswalk_1990-2000	crosswalk_Example2_1990_2000.txt	2000	N/A	42	34	34	12/10/2012 2:06:02 PM	12/10/2012 2:06:09 PM	N/A	2/8/2013 12:00:00 AM
Example2_crosswalk_1990-2000	crosswalk_Example2_1990_2000.txt	2000	N/A	42	42	42	12/10/2012 11:16:43 AM	12/10/2012 11:17:02 AM	N/A	2/8/2013 12:00:00 AM
Example2_1990-2000	crosswalk_Example2_1990_2000.txt	2000	N/A	40	32	33	12/7/2012 5:10:17 PM	12/7/2012 5:10:20 PM	N/A	2/5/2013 12:00:00 AM
Example1_2002_high	IO_Coding_Example1.txt	2002	HIGH	17	17	16	12/5/2012 2:06:00 PM	12/5/2012 3:27:10 PM	N/A	2/3/2013 12:00:00 AM
EHR_CHA_2000_high	EHR_CHA data_Occ_only_NIOCCS_ready1_test.txt	2000	HIGH	4992	614	2827	12/5/2012 2:05:40 PM	12/5/2012 3:26:49 PM	N/A	2/3/2013 12:00:00 AM



Industry & Occupation - Coding -

I&O Coding -

NIOCCS Input File Format for I&O Coding

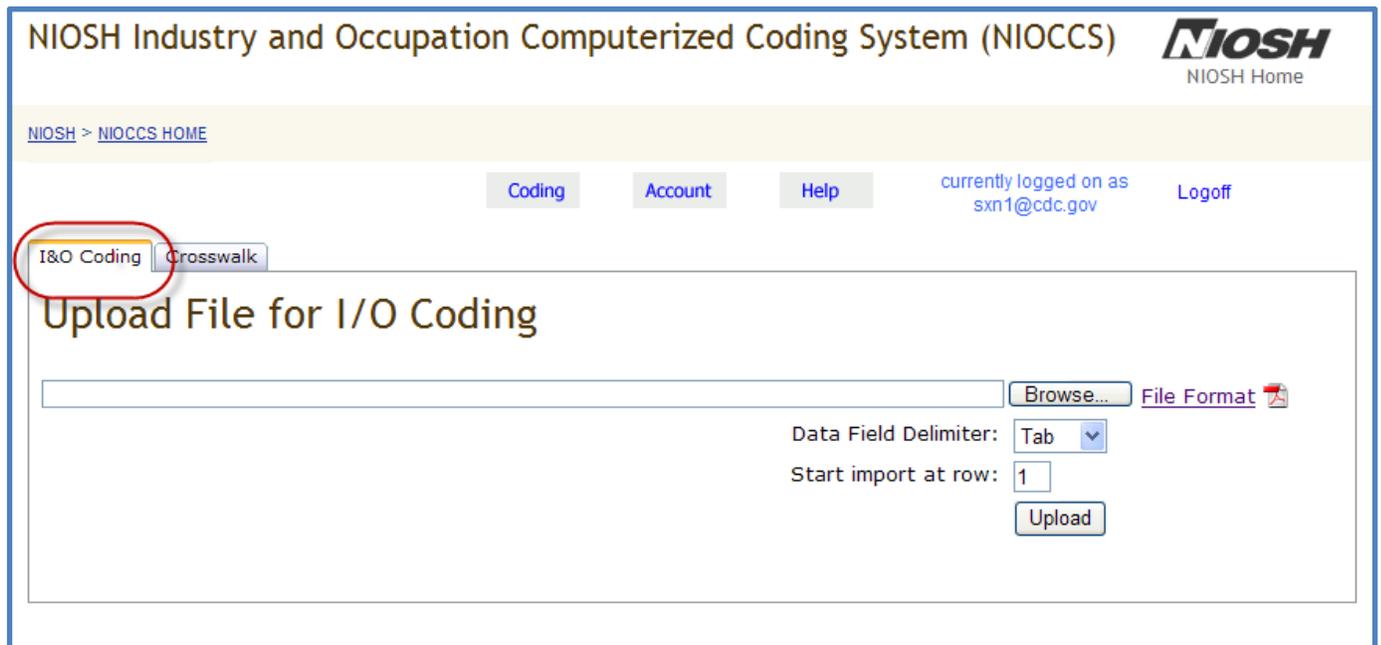
Files uploaded to NIOCCS for I&O coding must be in a standard **.txt** file format delimited by a Tab or Pipe character (|). The file must have the 12 fields (columns) listed below even if data is not available for each field. * Each record must have an ID field and at least one value in either the Industry Title or Occupation Title fields.

1. ID = Unique Identifier *
2. Industry Title *
3. Occupation Title *
4. Employer Company Name
5. Job Duties
6. Employer City
7. Employer State
8. Employer Zip
9. Age
10. Education
11. User Defined Field #1
12. User Defined Field #2

Example Input File for I&O Coding

ID	Industry Title	Occupation Title	Employer Name	Job Duties	Emp_City	Emp_State	Emp Zip	Age	Education	UserDefined1	UserDefined2
1	Retail Sales	JC Penny Employee									
2	Bank	Cashier	PNC Bank	Count Money	Cincinnati	OH	45555				
3	Television	Camera operator	CBS								
4	Self-employed	Attorney									
5	City Government	Clerk									
6	Hospitl	Doctor									
7	Home	Homemaker									
8	Retail Foods	Clerk									
9	Newspaper Publications	Newspaper Delivery									
10	Manufacturing	Tool & Dye									
11	Fabric Manufacturing	Seamstress									
12	Own Home	Homemaker/mother									
13	Housekeeping	Homemaker									

Upload File for I&O Coding Screen



1. Click the button to locate and select the file you want to upload.
2. Select the data field delimiter (**Tab** or **Pipe**) used when the file was created.
3. Enter the row (record) number of the file that NIOCCS should start for uploading. (*NOTE: This may be row 2 if the file contains a header row*).
4. Click the button to upload the file.

Uploading a File for I&O Coding (continued) -

NIOSH Industry and Occupation Computerized Coding System (NIOCCS) **NIOSH**
NIOSH Home

NIOSH > [NIOCCS HOME](#)

[Coding](#) [Account](#) [Help](#) currently logged on as [sxn1@cdc.gov](#) [Logoff](#)

[I&O Coding](#) [Crosswalk](#)

Upload File for I/O Coding

[Browse...](#) [File Format](#)

Data Field Delimiter:
Start import at row:

In file "\\Cdc\project\NIOSH_DSHEFS_SB_NIOCCS\Beta_Testing\NOCCS beta testing files_June_20_Morgantown\Test_Files\Example_Input_File_I&O.txt":

Number of records found :	14
Number of valid records loaded without error:	13
Number of records skipped:	1
Number of records NOT loaded due to error:	0

Do you want to continue to upload the file with 13 valid records?

NIOCCS will verify the format of the file being uploaded.

In this example, “Number of records skipped:” indicates the first row of the file was skipped (1st record was a header row)

If no errors are found, click the button to confirm and continue with the upload. -

Click the button to cancel the upload.

Uploaded File Status Screen

This screen will display active files uploaded to the NIOCCS system by the user.

Click Select next to the file you want to autocode.

NIOSH Industry and Occupation Computerized Coding System (NIOCCS) 

NIOSH > [NIOCCS HOME](#)

[Coding](#) [Account](#) [Help](#) currently logged on as [sxn1@cdc.gov](#) [Logoff](#)

Uploaded File Status

Show All
 Show I/O Files Only
 Show Crosswalk Files Only

« 1 » Records Per Page: [Refresh List](#)

	File	Loaded Date	Size (KB)	# Records	Status
Select	Example_Input_File_I&O.txt	6/15/2012 4:27:55 PM	1	13	Uploaded
Select	Crosswalk_test.txt	5/29/2012 6:28:41 PM	1	22	Uploaded
Select	MO_2011_IND_OCC_NIOCCS_ready.txt	5/25/2012 8:57:18 AM	63	1232	Uploaded
Select	CA_WC_class_21301-28720.txt	5/23/2012 5:37:56 PM	496	7420	Uploaded
Select	CA_WC_class_14201-21300.txt	5/23/2012 5:37:05 PM	444	7100	Uploaded
Select	CA_WC_class_7101-14200.txt	5/23/2012 5:35:56 PM	431	7100	Uploaded
Select	CA_WC_class_2-7100.txt	5/23/2012 5:25:50 PM	432	7099	Uploaded
Select	NIOCCS_CWinput_control_coded.txt	5/22/2012 11:33:25 AM	631	16048	Uploaded

Screen Features:

<input checked="" type="radio"/> Show All <input type="radio"/> Show I/O Files Only <input type="radio"/> Show Crosswalk Files Only	Filters the types of files displayed in the list (I&O Coding files, Crosswalk files, all files)
<input type="text" value="Records Per Page: 30"/>	Controls the number of files displayed on the page.
<input type="button" value="Refresh List"/>	Updates the page (refreshes) to display changed information, such as Status

Submitting a File for I&O Autocoding

The selected file will be highlighted and coding options will be displayed on the right.

NIOSH Industry and Occupation Computerized Coding System (NIOCCS) **NIOSH**
NIOSH Home

NIOSH > NIOCCS HOME

Coding Account Help currently logged on as sxn1@cdc.gov Logoff

Uploaded File Status

Show All Show I/O Files Only Show Crosswalk Files Only

« < 1 > » Records Per Page: 30 Refresh List

File	Loaded Date	Size (KB)	# Records	Status
Select Example_Input_File_I&O.txt	6/15/2012 4:27:55 PM	1	13	Uploaded
Select Crosswalk_test.txt	5/29/2012 6:28:41 PM	1	22	Uploaded
Select MO_2011_IND_OCC_NIOCCS_ready.txt	5/25/2012 8:57:18 AM	63	1232	Uploaded
Select CA_WC_class_21301-28720.txt	5/23/2012 5:37:56 PM	496	7420	Uploaded
Select CA_WC_class_14201-21300.txt	5/23/2012 5:37:05 PM	444	7100	Uploaded
Select CA_WC_class_7101-14200.txt	5/23/2012 5:35:56 PM	431	7100	Uploaded
Select CA_WC_class_2-7100.txt	5/23/2012 5:25:50 PM	432	7099	Uploaded
Select NIOCCS_CWinput_control_coded.txt	5/22/2012 11:33:25 AM	631	16048	Uploaded

Target Coding Scheme: Census 2002
Autocoding Confidence Level: HIGH
Name this run:

Autocode Remove

Autocoding Options:

Target Coding Scheme:	Select the Census Coding Classification Scheme to be used to code the I&O text.
Autocoding Confidence Level:	Used by NIOCCS to select matched candidates for the input I&O text where the confidence of the accuracy rate equals: High = > 90% Medium = > 70% Low = > 30%
Name this Run:	Provide a name for the autocoding submission (Run). This option can be used to identify various submissions of the same file using different autocoding options.

After selecting autocoding options, click the **Autocode** button to submit the file for coding.

Autocoding Confidence Level Example -

Industry Title:

Occupation Title:

90% Confidence level -

Autocoding Confidence Level: **High Accuracy** ▼

0 Ind Matches

Ind Code	Ind Matched

10 Occ Matches

Occ Code	Occ Matched
Select 0540	INSPECTOR \ N.S.
Select 0560	INSPECTOR \ N.S.
Select 0800	INSPECTOR \ N.S.
Select 0930	INSPECTOR \ N.S.
Select 3540	INSPECTOR \ N.S.

70% Confidence level -

Autocoding Confidence Level: **Medium Accuracy** ▼

2 Ind Matches

Ind Code	Ind Matched
Select 1280	EGGS,PROCESSED (MFG.)
Select 1180	TURKEY PROCESSING PLANT (MFG.)

1 Occ Matches

Occ Code	Occ Matched
Select 8740	INSPECTOR \ N.S.

30% Confidence level -

Autocoding Confidence Level: **Low Accuracy** ▼

10 Ind Matches

Ind Code	Ind Matched
Select 1280	EGGS,PROCESSED (MFG.)
Select 1180	TURKEY PROCESSING PLANT (MFG.)
Select 1090	POTATO PROCESSING PLANT (MFG.)
Select 2290	ROCK SALT PROCESSING (MFG.)
Select 9070	DYEING AND CLEANING PLANT

1 Occ Matches

Occ Code	Occ Matched
Select 8740	INSPECTOR \ N.S.

Autocode File Status Screen -

NIOSH Industry and Occupation Computerized Coding System (NIOCCS)

NIOSH Home

NIOSH > NIOCCS HOME

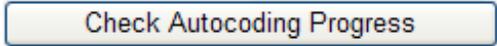
Coding Account Help currently logged on as sxn1@cdc.gov Logoff

Autocoded File Status

Show All Show I/O Files Only Show Crosswalk Files Only

« < 1 2 > » Records Per Page: 30 Refresh List Check Autocoding Progress

Run Name	File Name	Census Coding Scheme	Confidence Level	Total # Records	# Ind Coded	# Occ Coded	Status
Select Pam_demo_autocode	Pam Demo.txt	2002	HIGH	19	0	0	Autocode Running
Select KY_Cancer_Registry	NIOCCS_Ready_NIOSH_Final_KCR2010.txt	2002	HIGH	4220	1473	1705	Autocode Done

Click on the  button to see the status of your job. A window displaying the autocoding progress will appear.

Autocoding Progress - Windows Internet Explorer

(This screen refreshes every 10 seconds)

of I/O Coding Jobs in Queue: 1

Estimated time till your file completes: 00h:00m:04s.

14 out of 19 processed.

of Crosswalk Coding Jobs in Queue: 0

Done Trusted sites 100%

Computer-Assisted I&O Coding -

Once the status displays “Autocode Done”, click **Select** next to the Run Name to view options.

Computer-Assisted I&O Coding options:

Review/Edit Option	Displays Records in the Computer-Assisted screen that
All Computer-Assisted Records	were <i>not</i> autocoded by NIOCCS.
Un-coded Records Only	have not been coded yet. This option allows you to view records not previously assigned a code in computer-assisted mode.
Autocoded Records Only	were autocoded by NIOCCS.
All Records	exist in the file, coded or uncoded.

Computer-Assisted I&O Coding Screen -

This screen displays the records one at a time allowing the user to search and select the correct industry and occupation codes.

NIOSH Industry and Occupation Computerized Coding System (NIOCCS)

NIOSH Home

NIOSH > NIOCCS HOME

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Assisted I/O Coding

Industry Title: RETAIL SALES #3

Occupation Title: JC PENNEY EMPLOYEE

Employer: Enter Employer Here

Job Duties: Enter Job Duties Here Search Again Reset Title

Show Other I&O Info Autocoding Confidence Level: High Accuracy

1 Ind Matches

Ind Code	Ind Matched
Select 5790	RETAIL STORE \ TYPE NOT SPECIFIED

#4

0 Occ Matches

Ind Code: 5790 #2

Accept Reset Insufficient Info

Occ Code: #2

Accept Reset Insufficient Info

Notes

Industry Index Find: Go #1

Title	Ind Code	NAICS	Occ Code
Select RESUME' SERVICE	7590	561410	
Select RETAIL BAKERY	1190	311811	
Select RETAIL MEAT MARKET	4980	445210	
Select RETAIL MERCHANTS ASSOCIATION	9190	813910	
Select RETAIL STORE \ TYPE NOT SPECIFIED	5790	44-45	
Select RETAINING WALLS (CONST.)	0770	238190	
Select RETARDED CHILDREN'S ASSOCIATION	8370	624110	
Select RETINNING CANS AND UTENSILS (MFG.)	2890	332812	
Select RETINOSCOPES (MFG.)	3960	339112	
Select RETIREMENT APARTMENTS	7070	531110	

Occupation Index Find: Go

Title	Occ Code	Ind Restriction	SOC Code
Select IVORY POLISHER	8650		51-9021
Select JACK FRAME TENDER	8420	1470-1670	51-6064
Select JACK MACHINE OPERATOR	8460		51-6099
Select JACK PRIZER	9640		53-7064
Select JACK SETTER	6940	0370-0490	47-5099
Select JACK SPINNER	8420	1470-1670	51-6064
Select JACK SPOOLER TENDER	8420	1470-1670	51-6064
Select JACK WINDER	8420	1470-1670	51-6064
Select JACKER	8460	1470-1670, 1790	51-6099
Select JACKERMAN	6130		45-4029

1. Census Industry and Occupation Alphabetical Index
2. Industry and Occupation code selected / accepted
3. Industry and occupation input title responses to code
4. NIOCCS suggested industry and occupation codes
5. File information and navigation

#1 Census Industry and Occupation Alphabetical Index

Industry Index Find:

#1

Occupation Index Find:

Title	Ind Code	NAICS	Occ Code
Select RESUME' SERVICE	7590	561410	
Select RETAIL BAKERY	1190	311811	
Select RETAIL MEAT MARKET	4980	445210	
Select RETAIL MERCHANTS ASSOCIATION	9190	813910	
Select RETAIL STORE \ TYPE NOT SPECIFIED	5790	44-45	
Select RETAINING WALLS (CONST.)	0770	238190	
Select RETARDED CHILDREN'S ASSOCIATION	8370	624110	
Select RETINNING CANS AND UTENSILS (MFG.)	2890	332812	
Select RETINOSCOPIES (MFG.)	3960	339112	
Select RETIREMENT APARTMENTS	7070	531110	

Title	Occ Code	Ind Restriction	SOC Code
Select IVORY POLISHER	8650		51-9021
Select JACK FRAME TENDER	8420	1470-1670	51-6064
Select JACK MACHINE OPERATOR	8460		51-6099
Select JACK PRIZER	9640		53-7064
Select JACK SETTER	6940	0370-0490	47-5099
Select JACK SPINNER	8420	1470-1670	51-6064
Select JACK SPOOLER TENDER	8420	1470-1670	51-6064
Select JACK WINDER	8420	1470-1670	51-6064
Select JACKER	8460	1470-1670, 1790	51-6099
Select JACKERMAN	6130		45-4029

[1581](#) [1582](#) [1583](#) [1584](#) ... >

[1417](#) [1418](#) [1419](#) [1420](#) ... >

This section of the I&O Computer-assisted coding screen provides access to the Census Industry and Occupation Alphabetical indexes. The alpha indexes are used to look up I&O titles.

To search the index, type the title in the **Find:** box for either industry or occupation then click the button.

Occupation Index Find:

Title	Occ Code	Ind Restriction	SOC Code
Select SALES, WOMEN'S APPAREL AND ACCESSORIES	4760	4670-5790	41-2031
Select SALES, WRITING AND MARKING PENS	4850		41-4012
Select SALES, YARD GOODS	4760		41-2031
Select SALES, YELLOW PAGES	4800	(6480)	41-3011
Select SALES, ZONE	4850	(3570)	41-4011
Select SALESGIRL--SEE "SALES"			
Select SALES LADY--SEE "SALES"			
Select SALESMAN--SEE "SALES"			
Select SALESPERSON--SEE "SALES"			
Select SALESWOMAN--SEE "SALES"			

[2301](#) [2302](#) [2303](#) [2304](#) ... >

To view details about a code in the index: -

1. Click the code underlined in the Occ Code or Ind Code column. -

Occupation Index Find:

Title	Occ Code	Ind Restriction	SOC Code
Select LABORATORY WORKER \ N.S.	<u>1910</u>	1070-1090, 1190-1290	19-402
Select LABORATORY WORKER \ N.S.	<u>1930</u>	0370-0490, 2070, 2090	19-404
Select LABORATORY WORKER \ N.S.	<u>1550</u>	0770,1990, 2470, 2480, 2590-3290, 3580-3990	17-302
Select LABORATORY WORKER \ N.S.	<u>8830</u>	6570	51-913
Select LABORATORY WORKER \ N.S.	<u>3300</u>	MEDICAL SCHOOL 7870	29-201
Select LABORATORY WORKER \ N.S.	<u>1550</u>	0570, 3370- 3490	17-302

2. -A new window will appear containing all the Census industry or occupation titles that are found for that code. This takes the place of the "Classified" book.

Category:

Occ Code	Title	Ind Restriction	Naics Restriction	SOC Code
1930	ACID TESTER	2070	32411	19-4041
1930	CHALK TESTER	(0470)	(2123)	19-4041
1930	COMPUTER PROSPECTING	(0370)	(211)	19-4041
1930	CRUDE TESTER	(2070)	(32411)	19-4041
1930	ELECTRIC WELL LOGGING OPERATOR	(0370)	(211)	19-4041
1930	ELECTRICAL LOGGER	(0370)	(211)	19-4041
1930	ELECTRICAL LOGGING OPERATOR	(0370)	(211)	19-4041
1930	ELECTRICAL PROSPECTING OBSERVER	(0370)	(211)	19-4041
1930	ELECTRICAL PROSPECTING OPERATOR	(0370)	(211)	19-4041
1930	ELECTROLOG OPERATOR	(0370)	(211)	19-4041
1930	ENGINEER, ECHOMETER	0370	211	19-4041
1930	FIELD OBSERVER	(0370)	(211)	19-4041
1930	FIELD SCOUT	EXC. 9170	EXC. 81341	19-4041
1930	GAS ANALYST	2070	32411	19-4041
1930	GAS PROVER	(0580)	(2212)	19-4041
1930	GAS TESTER	EXC. 0370-0490	EXC. 21	19-4041
1930	GASOLINE TESTER			19-4041
1930	GEOPHYSICAL COMPUTER	0370	211	19-4041
1930	GEOPHYSICAL OBSERVER	0370	211	19-4041
1930	GEOPHYSICAL PROSPECTOR			19-4041
1930	GRAVITY METER OPERATOR			19-4041
1930	GRAVITY PROSPECTING OPERATOR			19-4041
1930	HYDROGRAPHER			19-4041
1930	<u>LABORATORY WORKER \ N.S.</u>	0370-0490, 2070, 2090	21, 324	19-4041
1930	MAGNETIC LOCATER	OIL 0370	OIL 211111	19-4041
1930	MAGNETIC OBSERVER	(9570)	926, 927	19-4041
1930	MAGNETIC PROSPECTING OPERATOR	(0370)	(211)	19-4041
1930	MAGNETOMETER OPERATOR	(0370)	(211)	19-4041
1930	MINERAL TECHNOLOGIST			19-4041

#2 Industry and Occupation Code Selected / Accepted

NIOCCS will automatically place a code in the industry or occupation code selection box if a match meets the autocoding confidence level setting. - Otherwise the user must determine the correct code and enter/select it then click - the **Accept** button. -

Once a code is accepted, the box will display a **green** background.

The **Reset** button deletes the code. -

The **999** button is used to indicate “insufficient - Information” to code the response. -

The **Notes** link will open a pop-up box to enter - remarks about the record being coded.

Ind Code: 5790
Accept Reset
Insufficient Info

Occ Code: #2
Accept Reset
Insufficient Info

Notes

#3 Industry and Occupation Title Responses to Code

Industry Title: RETAIL SALES

Occupation Title: JC PENNEY EMPLOYEE #3

Employer: Enter Employer Here

Job Duties: Enter Job Duties Here

Show Other I&O Info

Autocoding Confidence Level: High Accuracy

Search Again Reset Title

The industry and occupation title responses to code will appear in the **Industry Title** and **Occupation Title** boxes.

If employer (company name) or job duties were provided on the input file they will be displayed in their associated boxes on the screen.

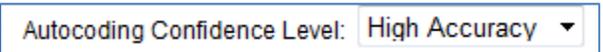
Click the [Show Other I&O Info](#) link to display additional supporting information for this record if provided on the input file.



The screenshot shows a form titled "Hide Other I&O Info". On the right side, there is a dropdown menu labeled "Autocoding Confidence Level:" with "High Accuracy" selected. Below this, there are four input fields: "Age:" (text box), "Education:" (dropdown menu), "Employment State:" (dropdown menu), and "Employment Zip:" (text box).

The **Search Again** button is used when the industry or occupation response does not appear in the index and you need to rename/re-classify the response in order to find the correct code.

By typing different text in the industry title or occupation title boxes then clicking the **Search Again** button, NIOCCS will search for new matches. Typing over - the industry or occupation will not delete the original response. To return to the original response, click the **Reset Title** button.

The **Autocoding Confidence Level** drop down box 

can be used in conjunction with the Search Again button to change a confidence level setting when asking NIOCCS to search for new matches for the industry or occupation titles.

The autocoding confidence level is used by NIOCCS to select matched candidates for the input I&O text where the confidence of the accuracy rate equals:

- High = > 90%**
- Medium = > 70%**
- Low = > 30%**

#4 NIOCCS Suggested Industry and Occupation Codes

This section of the I&O Computer-assisted coding screen displays the industry and occupation titles that NIOCCS found as the best matches to the input industry and occupation responses.

Ind Code	Ind Matched
Select 5790	RETAIL STORE \ TYPE NOT SPECIFIED

#4

In this example, NIOCCS did not find any matched titles for the input occupation response of 'JC Penny Employee'.

#5 File information and navigation

This section of the I/O Computer-assisted screen provides information about the file being coded and buttons to navigate within the file.

Close File

Autocode CL: HIGH

All Computer-Assisted Records

Scheme:
CENSUS 2002

File:
MO_Kansas_High

<-Prev Next->

First Last

View All

Record 2 of 512

#5

How to Assign an Industry and Occupation Code

An industry or occupation code can be assigned in one of three ways:

- 1) By clicking the **Select** link next to the code in the **Ind Matches** or **Occ Matches** boxes.

5 Occ Matches

	Occ Code	Occ Matched
Select	5520	DISPATCHER \ N.S.
Select	6200	DISPATCHER \ N.S.
Select	7700	DISPATCHER \ N.S.
Select	8600	DISPATCHER \ N.S.
Select	8620	DISPATCHER \ N.S.

« < 1 > »

- 2) By clicking the **Select** link in the Industry or Occupation Alphabetic Index boxes.

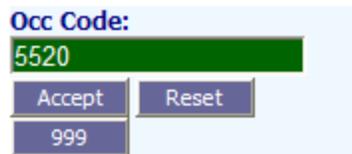
Occupation Index Find:

Select	DISK SANDER	8000	31-403
Select	DISK SHARPENER	8000	2370, 2670-3690, 6080, 51-4038870
Select	DISMANTLER	9620	53-706
Select	DISPATCH CLERK	5520	43-503
Select	DISPATCHER \ N.S.	7700	2570 51-1011
Select	DISPATCHER \ N.S.	9040	6070 53-202
Select	DISPATCHER \ N.S.	9240	6080 53-403
Select	DISPATCHER \ N.S.	5520	\ ANY NOT LISTED 43-503
Select	DISPATCHER \ N.S.	5520	0190, 0370-0490, 2070, 2570, 6090, 6170, 6190 43-503

« < ... 749 750 751 752 ... > »

- 3) By entering a code in the - **Ind Code:** or **Occ Code:** boxes. -

If a code has been entered, the user *must* click the  button to save the code. After the accept button has been clicked, the box containing the code should turn green.



The screenshot shows a form with the label "Occ Code:" in blue. Below the label is a text input field containing the number "5520". The input field has a green background, indicating it is active or validated. Below the input field are two buttons: "Accept" and "Reset". Below the "Accept" button is a small text box containing the number "999".

If a code is selected or entered and the Accept button is not clicked before moving to the next record, the following error message will appear:

You have assigned a code but have not accepted it.

Computer-Assisted I&O Coding Screen – View All

Click the  button at the top right of the NIOCCS Computer-Assisted screen to view all records in list style format.

This allows the user to perform bulk coding for same/similar I&O text.



Close File
Autocode CL: HIGH
All Computer-Assisted Records
Scheme:
CENSUS 2002
File:
MO_Kansas_High
<-Prev Next->
First Last
View All 
Record 1 of 512

View All I/O Records

Click one of the Record ID values to return to the Computer-Assisted coding screen.

Records Per Page: 30 Go To: Page = GO Sort by: Order in Original | A to Z (Ascendir

Record ID	Industry Title	Occupation Title	Census Ind Title	Census Occ Title	Ind Code	Ind Auto-coded?	Occ Code	Occ Auto-coded?	Notes?
1	SALES, REAL-ESTATE	RELATOR							
2	BANK	TELLER	BANKING AND RELATED ACTIVITIES	TELLERS	6870	Y	5160	Y	
3	HOSPITAL	DOCTOR							
4	WORKING WITH DISABLED PEOPLE	LIFE SKILLS SPECIALIST							
5	OWN HOME	HOMEMAKER	NON-PAID WORKERS	NIOSH-HOMEMAKER	9890	Y	9010	Y	
6	SELF EMPLOYED	ATTORNEY	LEGAL SERVICES	LAWYERS	7270	Y	2100	Y	
7	ROCKWELL INTERNATIONAL	MACHINE OPERATOR							
8	BEAUTY SALON	OWNER	BEAUTY SALONS	FIRST-LINE SUPERVISORS/MANAGERS OF PERSONAL SERVICE WORKERS	8980	Y	4320	Y	
9	RETAIL	SALESPERSON	NOT SPECIFIED TRADE	RETAIL SALESPERSONS	5790	Y	4760	Y	
10	RETAIL SALES	JC PENNY EMPLOYEE							

Refresh List
Close File
Autocode CL: HIGH
All
Scheme:
CENSUS 2002
File:
Marie Demo NIOCCS
Ind Code:
Leave it blank if no change
Occ Code:
Leave it blank if no change
Save
Total Selected:
0

Computer-Assisted I&O Coding Screen – [View All](#)

Screen Options: -

Sorting -

Order in Original File	A to Z (Ascending)
Order in Original File	
Ind title + Occ title	
Occ title + Ind title	
Ind code + Occ code	
Occ code + Ind code	
Ind title	
Occ title	
Ind code	
Occ code	

Go to -

Go To:

Page	=	
------	---	--

Page
Record Id
Ind title
Occ title

Records Per Page -

Records Per Page:

30
10
20
30
50
100
200

Computer-Assisted I&O Coding Screen – View All

From this screen the user will be able to do “bulk coding” which means the same code can be applied to entries that are the same.

NIOSH Industry and Occupation Computerized Coding System (NIOCCS)

NIOSH Home

NIOSH > NIOCCS HOME

Coding Account Help currently logged on as sxn1@cdc.gov Logoff

View All I/O Records

Records Per Page: 30 Refresh List

Sort by: Occ title + Ind title A to Z (Ascending)

Record ID	Industry Title	Occupation Title	Census Ind Title	Census Occ Title	Ind Code	Occ Code
<input type="checkbox"/>	2011101920	LEGAL	ACCOUNTANT/ATTORNEY			
<input type="checkbox"/>	2011100154	AVON	ACCOUNTANT	ACCOUNTANT		0800
<input type="checkbox"/>	2011103773	COMMERCIAL WATER TREATMENT	ACCOUNTANT	ACCOUNTANT		0800
<input type="checkbox"/>	2011101558	FINANCIAL	ACCOUNTANT	ACCOUNTANT		0800
<input type="checkbox"/>	2011036278	ACCOUNTING	ACCOUNTANTS AND AUDITORS	ACCOUNTANTS AND AUDITORS		0800
<input type="checkbox"/>	2011302753	HEALTH CARE	ACCOUNTING CLINICS N.S.		8090	
<input type="checkbox"/>	2011102707	THEATRICAL COMPANY	ACTRESS	ACTRESS		2700
<input checked="" type="checkbox"/>	2011102906	BANKING	ADMINISTRATIVE ASSISTANT	BANKING AND RELATED ACTIVITIES		6870
<input checked="" type="checkbox"/>	2011100127	CHIROPRACTIC BUSINESS	ADMINISTRATIVE ASSISTANT	CHIROPRACTORS' OFFICES OR CLINICS		7990
<input checked="" type="checkbox"/>	2011101695	PHARMACEUTICAL	ADMINISTRATIVE ASSISTANT			
<input checked="" type="checkbox"/>	2011102404	PUBLIC LIBRARY	ADMINISTRATIVE ASSISTANT	LIBRARIES AND ARCHIVES		6770
<input checked="" type="checkbox"/>	2011104077	TELECOMMUNICATIONS COMPANY	ADMINISTRATIVE ASSISTANT	TELECOMMUNICATIONS,EXC. CELLULAR OR PAGING		6680
<input checked="" type="checkbox"/>	2011104114	YELLOW FREIGHT COMPANY	ADMINISTRATIVE ASSISTANT			
<input type="checkbox"/>	2011101813	DISABILITY CARE	ADMINISTRATIVE COORDINATOR			
<input type="checkbox"/>	2011101867	HOSPITAL	ADMITTING SUPERVISOR	HOSPITAL N.S.		8190

Close File

Autocode CL: HIGH

All Records

Scheme: CENSUS 2002

File: MO_Kansas_High

Ind Code: Leave it blank if no change

Occ Code: 5700-Secretaries and Admi

Save Total Selected: 6

To perform bulk coding

1. -Choose the records you want to code by clicking on the box next to the record. *Note: The number of records selected will be displayed under the Save button.*
2. -Enter the industry and/or occupation code that should be applied to the selected records in the **Ind Code:** and/or **Occ Code:** fields on the right side of the screen.
3. Click the **Save** button.
4. The code will then appear in the I-code or O-code column (*see below*).

Computer-Assisted I&O Coding Screen – View All

NIOSH Industry and Occupation Computerized Coding System (NIOCCS) **NIOSH**
NIOSH Home

NIOSH > NIOCCS HOME

Coding Account Help currently logged on as sxn1@cdc.gov Logoff

View All I/O Records

Records Per Page: 30 Refresh List

Record ID	Industry Title	Occupation Title	Census Ind Title	Census Occ Title	Ind Code	Occ Code
2011101920	LEGAL	ACCOUNTANT/ATTORNEY				
2011100154	AVON	ACCOUNTANT		ACCOUNTANT		0800
2011103773	COMMERCIAL WATER TREATMENT	ACCOUNTANT		ACCOUNTANT		0800
2011101558	FINANCIAL	ACCOUNTANT		ACCOUNTANT		0800
2011036278	ACCOUNTING	ACCOUNTANTS AND AUDITORS		ACCOUNTANTS AND AUDITORS		0800
2011302753	HEALTH CARE	ACCOUNTING	CLINICS \ N.S.		8090	
2011102707	THEATRICAL COMPANY	ACTRESS		ACTRESS		2700
2011102906	BANKING	ADMINISTRATIVE ASSISTANT	BANKING AND RELATED ACTIVITIES	SECRETARIES AND ADMINISTRATIVE ASSISTANTS	6870	5700
2011100127	CHIROPRACTIC BUSINESS	ADMINISTRATIVE ASSISTANT	CHIROPRACTORS' OFFICES OR CLINICS	SECRETARIES AND ADMINISTRATIVE ASSISTANTS	7990	5700
2011101695	PHARMACEUTICAL	ADMINISTRATIVE ASSISTANT		SECRETARIES AND ADMINISTRATIVE ASSISTANTS		5700
2011102404	PUBLIC LIBRARY	ADMINISTRATIVE ASSISTANT	LIBRARIES AND ARCHIVES	SECRETARIES AND ADMINISTRATIVE ASSISTANTS	6770	5700
2011104077	TELECOMMUNICATIONS COMPANY	ADMINISTRATIVE ASSISTANT	TELECOMMUNICATIONS,EXC. CELLULAR OR PAGING	SECRETARIES AND ADMINISTRATIVE ASSISTANTS	6680	5700
2011104114	YELLOW FREIGHT COMPANY	ADMINISTRATIVE ASSISTANT		SECRETARIES AND ADMINISTRATIVE ASSISTANTS		5700
2011101813	DISABILITY CARE	ADMINISTRATIVE COORDINATOR				

Autocode CL: HIGH
All Records
Scheme: CENSUS 2002
File: MO_Kansas_High
Ind Code:
Leave it blank if no change
Occ Code:
Leave it blank if no change
Save
Total Selected: 0

To return to coding record by record, click the ID number of the record you want to start with in the Record ID column.

NIOSH Industry and Occupation Computerized Coding System (NIOCCS) **NIOSH**
NIOSH Home

NIOSH > NIOCCS HOME

Coding Account Help currently logged on as sxn1@cdc.gov Logoff

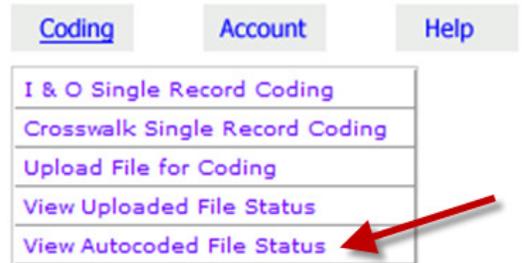
View All I/O Records

Records Per Page: 30 Refresh List

Record ID	Industry Title	Occupation Title	Census Ind Title	Census Occ Title	Ind Code	Occ Code
2011101920	LEGAL	ACCOUNTANT/ATTORNEY				
2011100154	AVON	ACCOUNTANT		ACCOUNTANT		0800
2011103773	COMMERCIAL WATER TREATMENT	ACCOUNTANT		ACCOUNTANT		0800
2011101558	FINANCIAL	ACCOUNTANT		ACCOUNTANT		0800
2011036278	ACCOUNTING	ACCOUNTANTS AND AUDITORS		ACCOUNTANTS AND AUDITORS		0800
2011302753	HEALTH CARE	ACCOUNTING	CLINICS \ N.S.		8090	
2011102707	THEATRICAL COMPANY	ACTRESS		ACTRESS		2700
2011102906	BANKING	ADMINISTRATIVE ASSISTANT	BANKING AND RELATED ACTIVITIES	SECRETARIES AND ADMINISTRATIVE ASSISTANTS	6870	5700
2011100127	CHIROPRACTIC BUSINESS	ADMINISTRATIVE ASSISTANT	CHIROPRACTORS' OFFICES OR CLINICS	SECRETARIES AND ADMINISTRATIVE ASSISTANTS	7990	5700
2011101695	PHARMACEUTICAL	ADMINISTRATIVE ASSISTANT		SECRETARIES AND ADMINISTRATIVE ASSISTANTS		5700

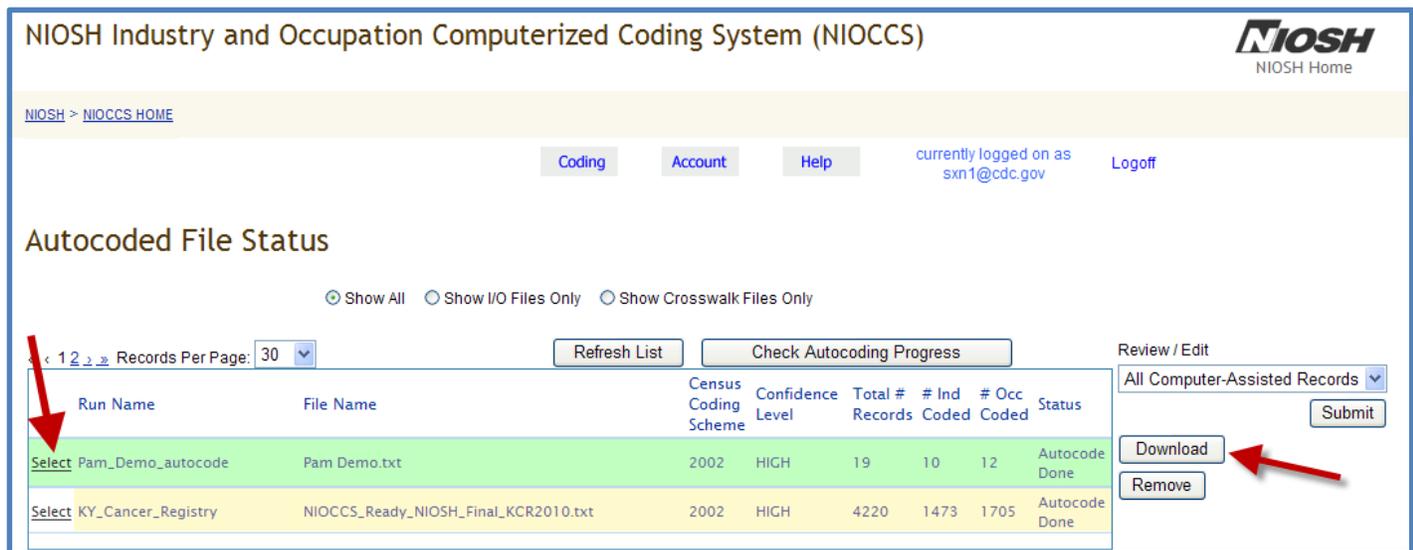
Autocode CL: HIGH
All Records
Scheme: CENSUS 2002
File: MO_Kansas_High
Ind Code:
Leave it blank if no change
Occ Code:
Leave it blank if no change
Save
Total Selected: 0

Downloading



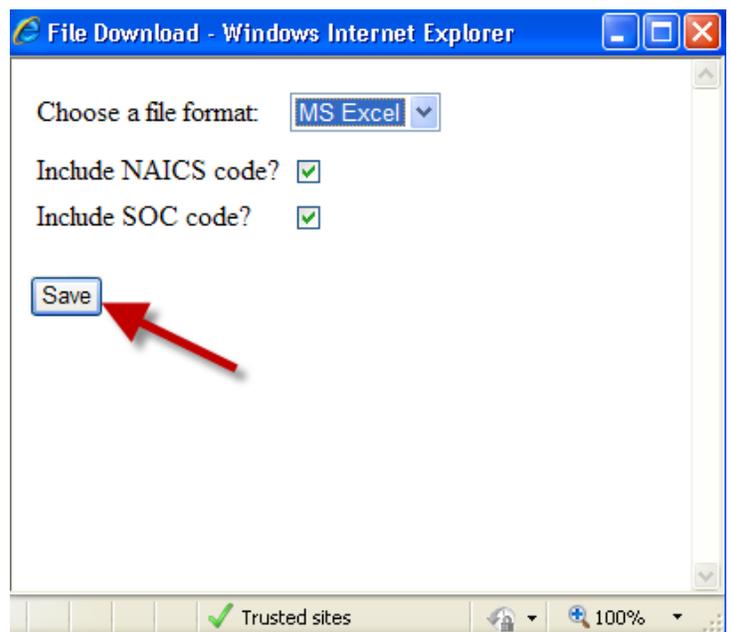
To download a file that has been coded:

1. Go to the **Autocoded File Status** screen
2. Click **Select** next to the file to be downloaded
3. Click the **Download** button on the right side of the screen.

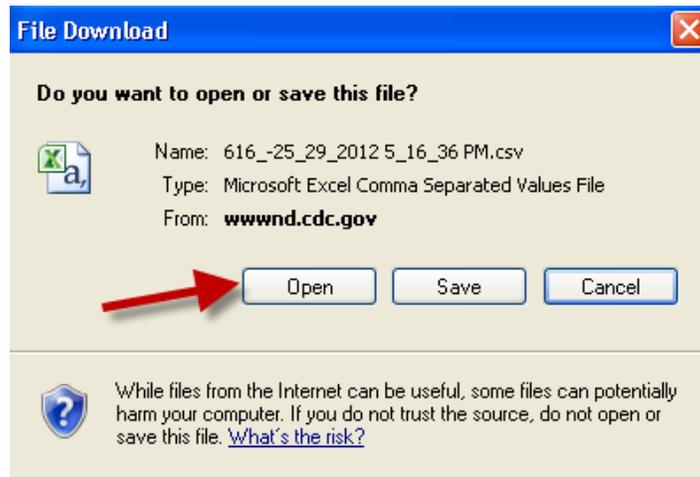


A pop-up box will appear providing options for the download file format. -

1. Choose the file format:
 - a. Plain Text
 - b. MS Excel
2. Check/uncheck the NAICS code box
3. Check/uncheck the SOC code box
4. Click the **Save** button



A Microsoft pop-up window will appear. Choose **Open** to view the downloaded file.



Example of NIOCCS downloaded file in MS Excel format: -

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	ID	Industry Title	Occupation Title	Ind code	Occ Code	Company	Job duties	Employer	Employer	Employer	Age	Education	User defir	User defir	NAICS Coc	SOC Code
2	1	CARPET RETAIL/INSTALLATION	BUSINESS OWNER		0120											11-3031
3	2	MANUFACTURING	CLOCK MAKER	3990											31-33	
4	3	BAKERY	CAKE DECORATOR	1190	7840										311811	51-3092
5	4	BANKING	CLERICAL WORKER		5860											43-9061
6	5	ELECTRO-COM	OFFICE MANAGER		0120											11-3031
7	6	INSURANCE	INSURANCE	6990	4710										524000	41-1012
8	7	DAIRY	ROUTE SALES													
9	8	COMMERCIAL ADVERTISING	TEACHER/ARTIST													
10	9	PUBLIC SCHOOLS	TEACHER	7860	2310										611100	25-2021
11	10	GENERAL PRACTICE	MEDICAL DOCTOR		3060											29-1061
12	11	DEVELOPMENT	CHIEF FINANCIAL OFFICER													
13	12	INSURANCE INDUSTRY	CLAIMS ADJUSTER	6990											524000	
14	13	AUTO MANUFACTURING	SKILLED TRADES													
15	14	CONSTRUCTION	MASONRY CONTRACTOR	0770	6220										230000	47-2021
16	15	GENERAL MOTORS	PARTS LABORER	3570											336110	
17	16	GROCERY	CASHIER	4970	4720										445100	41-2011
18	17	LAW	LEGAL ASSISTANT	7270	2140										541110	23-2011
19	18	CLERGY	PASTOR	9160	2040										813110	21-2011
20	19	AUTOMOBILE	MECHANIC	8770	7200										811110	49-3023



Crosswalk Coding -

Crosswalk Coding

NIOCCS Input File Format for Crosswalk Coding

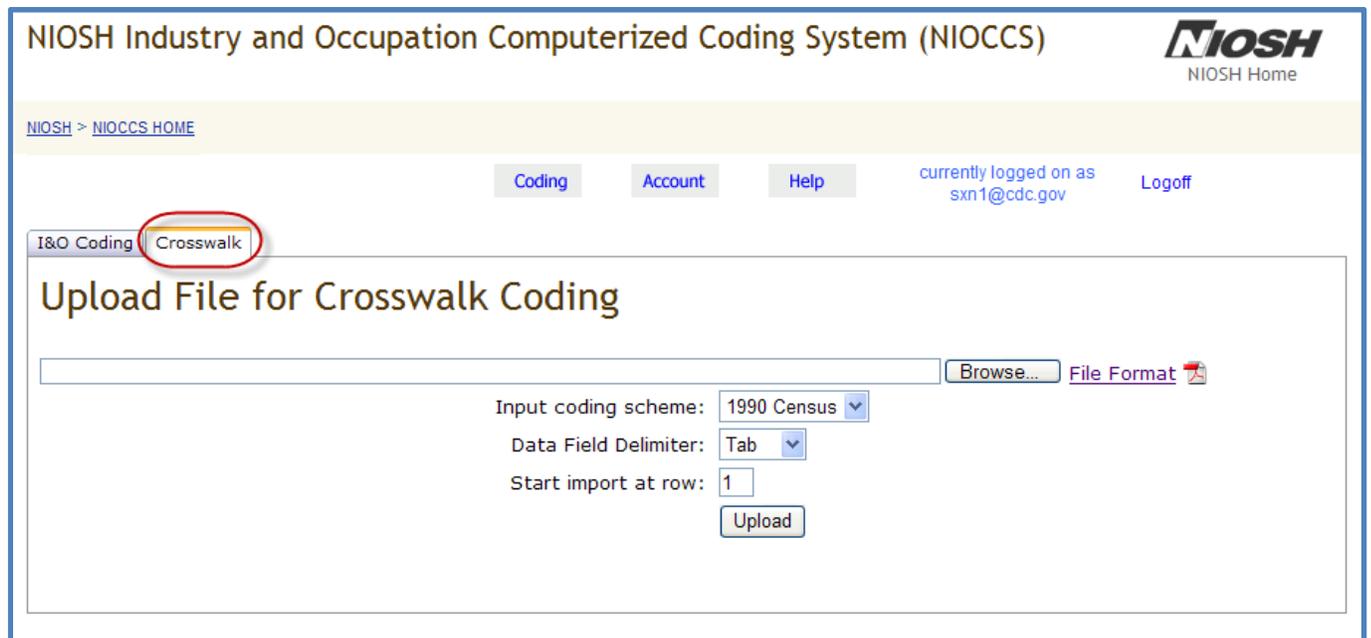
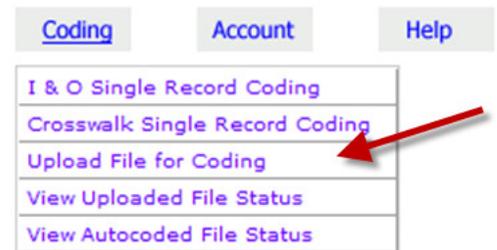
Files uploaded to NIOCCS for Crosswalk coding must be in a standard **.txt** file format delimited by a Tab or Pipe character (|). The file must have the 5 fields (columns) listed below even if data is not available for each field. * Each record must have an ID field and at least one value in either the Industry Code or Occupation Code fields.

1. ID = Unique Identifier *
2. Industry Title
3. Occupation Title
4. Industry Code *
5. Occupation Code *

Example Input File for Crosswalk Coding

ID	Industry Title	Occupation Title	Ind code	Occ code
184623	AGRICULTURE	DAIRY FARMER	011	473
304111	BUILDING CONSTRUCTION	CONTRACTOR	060	558
317144	LUMBER	LABORER	231	889
356668	BUILDING	CONTRACTOR	060	558
406457	AVOCADO FARMER	RANCHER	010	473
611129	DOUGLAS AIRCRAFT		227	999
2263962	PETROLEUM	PIPEFITTER	042	585
2712435	FARMING & MINING		010	999
2819309	ATTORNEY	RETIRED-ATTORNEY	841	178
2873324	GEOLOGY	GEOLOGIST	042	075
2874954	LAW	ATTORNEY	841	178
3167323	HOPE MANOR	NURSE AID	832	447
3167826	AUTOMOTIVE	INSPECTOR	751	036
3169215	OFFICE WORKER	OFFICE WORKER	990	379
3169810	HEALTH CARE	PSYCHIATRIST	812	084
3170338	BANKING	BANK TELLER	700	383
3170351	AGRICULTURE BUSINESS	SUPPLY CLERK-FOSTER FARMS	100	365
3171023	COUR REPORTING AGENCY	ACCOUNT EXECUTIVE	741	259
3172448	COMPUTER	MANAGER	990	022
3210923	STUDENT	COLLEGE STUDENT	961	915
3255447	OIL	GEOLOGIST	042	075

Upload File for Crosswalk Coding Screen



1. Click the button to locate and select the file you want to upload.
2. Select either **Tab** or **Pipe** as the data field delimiter.
3. Enter the row (record) number of the file that NIOCCS should start on for uploading. (*NOTE: This may be row 2 if the file contains a header row*).
4. Click the button to upload the file.

Uploading a File for Crosswalk Coding -

NIOSH Industry and Occupation Computerized Coding System (NIOCCS)

NIOSH Home

NIOSH > NIOCCS HOME

Coding Account Help currently logged on as sxn1@cdc.gov Logoff

I&O Coding Crosswalk

Upload File for Crosswalk Coding

Browse... File Format

Input coding scheme: 1990 Census
Data Field Delimiter: Tab
Start import at row: 2
Upload

In file "\\cdc\project\NIOSH_DSHEFS_SB_NIOCCS\Test_Data\Tsai_Rebecca\NIOCCS_CWinput_cases_coded050712.txt":	
Number of records found :	5642
Number of valid records loaded without error:	5641
Number of records skipped:	1
Number of records NOT loaded due to error:	0

Do you want to continue to upload the file with 5641 valid records? Yes No

NIOCCS will verify the format of the file being uploaded. -

If no errors are found, click the button to confirm and continue with the upload. -

Click the button to cancel the upload.

Uploaded File Status Screen -

This screen will display all files uploaded to the NIOCCS system by the user.

To view only Crosswalk files, click the radio button

Show Crosswalk Files Only

NIOCCS Industry and Occupation Computerized Coding System (NIOCCS)

NIOSH Home

NIOSH > NIOCCS HOME

Coding Account Help currently logged on as sxn1@cdc.gov Logoff

Uploaded File Status

Show All Show I/O Files Only Show Crosswalk Files Only

Records Per Page: 30 Refresh List

	File	Loaded Date	Size (KB)	# Records	Status
Select	NIOCCS_CWininput_control_coded.txt	5/22/2012 11:33:25 AM	631	16048	Uploaded
Select	NIOCCS_CWininput_cases_coded050712.txt	5/22/2012 11:30:28 AM	226	5641	Uploaded

« < 1 > »

Click Select next to the file you want to crosswalk. -

Submitting a File for Crosswalk Coding -

The selected file will be highlighted and crosswalk coding options will be displayed on the right.

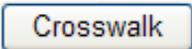
The screenshot shows the NIOSH Industry and Occupation Computerized Coding System (NIOCCS) interface. At the top, there is a header with the NIOSH logo and "NIOSH Home". Below the header, there are navigation links for "Coding", "Account", and "Help", along with a user login status "currently logged on as sxn1@cdc.gov" and a "Logoff" button. The main section is titled "Uploaded File Status" and includes radio buttons for "Show All", "Show I/O Files Only", and "Show Crosswalk Files Only". A table displays the status of uploaded files, with the second row highlighted in green. To the right of the table, there are dropdown menus for "Target Coding Scheme" (set to "Census 2000") and "Name this run:". At the bottom right, there are two buttons: "Crosswalk" and "Remove". A red arrow points to the "Crosswalk" button.

File	Loaded Date	Size (KB)	# Records	Status
Select NIOCCS_CWinput_control_coded.txt	5/22/2012 11:33:25 AM	631	16048	Uploaded
Select NIOCCS_CWinput_cases_coded050712.txt	5/22/2012 11:30:28 AM	226	5641	Uploaded

Crosswalk Coding Options: -

Target Coding Scheme:	Select the Census Coding Classification Scheme to be used to code the I&O text.
Name this Run:	Provide a name for the crosswalk submission (Run

After selecting autocoding options, -

click the  button to submit the file for crosswalk coding.

Crosswalk (Autocode) File Status Screen -

NIOSH Industry and Occupation Computerized Coding System (NIOCCS) 

[NIOSH](#) > [NIOCCS HOME](#)

[Coding](#) [Account](#) [Help](#) currently logged on as [sxn1@cdc.gov](#) [Logoff](#)

Autocoded File Status

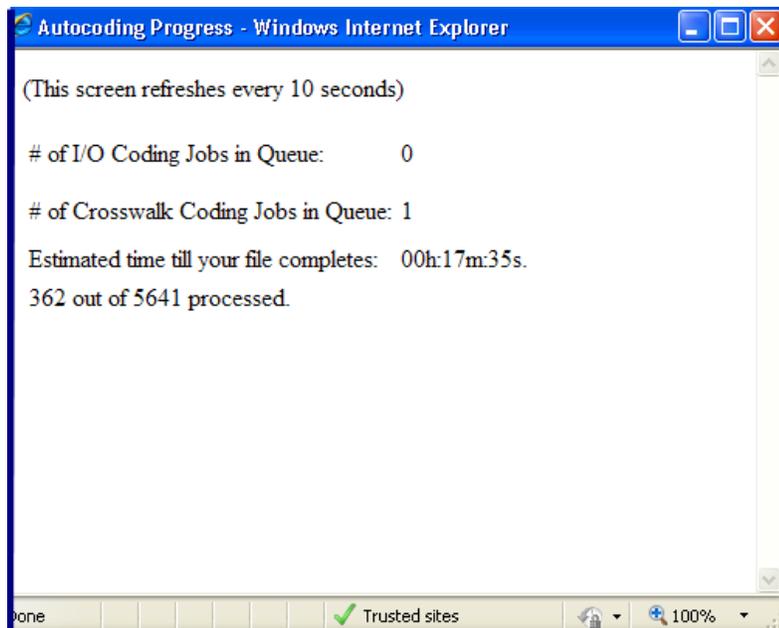
Show All
 Show I/O Files Only
 Show Crosswalk Files Only

« < 1 > » Records Per Page:

Run Name	File Name	Census Coding Scheme	Confidence Level	Total # Records	# Ind Coded	# Occ Coded	Status
Select Crosswalk_demo1	NIOCCS_CWinput_cases_coded050712.txt	2000	N/A	5641	0	0	Autocode Running
Select Tsai_Controls_crosswalk	NIOCCS_CWinput_control_coded.txt	2000	N/A	16048	14751	14751	Autocode Done
Select Tsai_Cases_coded_crosswkl	NIOCCS_CWinput_cases_coded050712.txt	2000	N/A	5641	5206	5209	Autocode Done

« < 1 > »

Click on the button to see the status of your job. -



Autocoding Progress - Windows Internet Explorer

(This screen refreshes every 10 seconds)

of I/O Coding Jobs in Queue: 0

of Crosswalk Coding Jobs in Queue: 1

Estimated time till your file completes: 00h:17m:35s.

362 out of 5641 processed.

Trusted sites 100%

Computer-Assisted Crosswalk Coding -

Once the status displays “Autocode Done”, click **Select** next to the Run Name to view options.

NIOSH Industry and Occupation Computerized Coding System (NIOCCS)

NIOSH Home

NIOSH > NIOCCS HOME

Coding Account Help currently logged on as sxn1@cdc.gov Logoff

Autocoded File Status

Show All
 Show I/O Files Only
 Show Crosswalk Files Only

« < 1 > » Records Per Page: 30
 Refresh List
 Check Autocoding Progress
 Review / Edit

Run Name	File Name	Census Coding Scheme	Confidence Level	Total # Records	# Ind Coded	# Occ Coded	Status
Select Crosswalk_demo1	NIOCCS_CWinput_cases_coded050712.txt	2000	N/A	5641	5204	5204	Autocode Done
Select Tsai_Controls_crosswalk	NIOCCS_CWinput_control_coded.txt	2000	N/A	16048	14751	14751	Autocode Done
Select Tsai_Cases_coded_crosswkl	NIOCCS_CWinput_cases_coded050712.txt	2000	N/A	5641	5206	5209	Autocode Done

All Computer-Assisted Records
 Submit
 Download
 Remove

Computer-Assisted Crosswalk Coding options:

Review/Edit Option	Displays Records in the Computer-Assisted screen that
All Computer-Assisted Records	were not automatically crosswalked by NIOCCS but may have been coded manually in a previous computer-assisted session.
Un-coded Records Only	have not been automatically crosswalked nor computer-assisted crosswalked.
Autocoded Records Only	were automatically crosswalked by NIOCCS.
All Records	exist in the file, crosswalked or not crosswalked.

Records that were changed from one code in the older Census classification system to many codes in the newer Census classification system will need to be manually crosswalked using computer-assisted mode.

Computer-Assisted Crosswalk Coding Screen

This screen presents the records one at a time allowing the user to select the correct industry and occupation crosswalked codes.

NIOSH Industry and Occupation Computerized Coding System (NIOCCS) **NIOSH**
NIOSH Home

[NIOSH > NIOCCS HOME](#)

Coding Account Help currently logged on as [sxn1@cdc.gov](#) Logoff

Assisted Crosswalk Coding

Input Industry Title: Input Occupation Title:

Input Industry Code: Input Occupation Code:

#2

Crosswalk Results:

2 Ind Matches

	Code	Title	NAICS
Select	199	PRINTING AND RELATED SUPPORT ACTIVITIES	3231
Select	648	PUBLISHING EXCEPT NEWSPAPERS AND SOFTWARE	511120

#3

« < 1 > »

2 Occ Matches

	Code	Title	SOC
Select	824	JOB PRINTERS	51-5021
Select	826	PRINTING MACHINE OPERATORS	51-5023

#4

« < 1 > »

Source Scheme: CENSUS 1990

Target Scheme: #1
CENSUS 2000

File: crosswalk_demo

Record 1 of 1

Ind Code:

#5

Occ Code:

[Notes](#)

1. File information and navigation
2. Industry and occupation input titles and codes
3. Crosswalked industry titles and codes
4. Crosswalked Occupation titles and codes
5. Industry and occupation codes selected/accepted

#1 File information and navigation

This section of the Crosswalk Computer-assisted screen provides information about the file being crosswalked and buttons to navigate within the file.



Close File

Source Scheme:
CENSUS 1990

Target Scheme: **#1**
CENSUS 2000

File:
crosswalk_demo

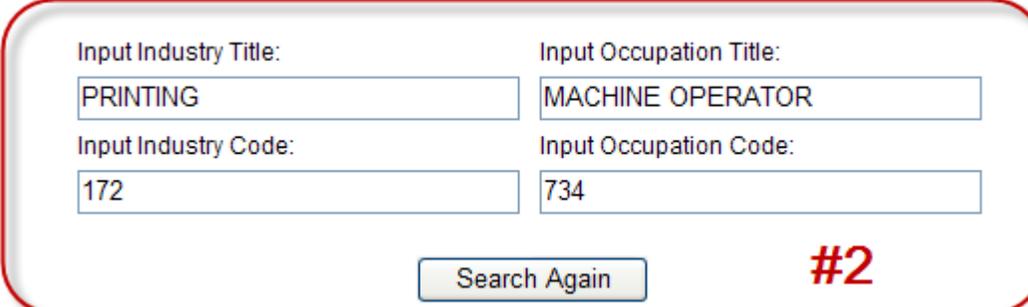
<-Prev Next->

First Last

View All

Record 1 of 1

#2 Industry and Occupation Input Titles and Codes



Input Industry Title: Input Occupation Title:

PRINTING MACHINE OPERATOR

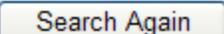
Input Industry Code: Input Occupation Code:

172 734

Search Again **#2**

This section of the screen displays the input industry and occupation titles and codes that need to be crosswalked.

The **Search Again** button can be used if the one of the input codes was originally assigned incorrectly and the user needs to crosswalk a different code. In this case, the user can edit either the input industry or occupation code then click the

 button to display the crosswalked coded values. -

#3 Crosswalked Industry Titles and Codes

This section of the crosswalk computer-assisted screen displays the industry codes and titles that crosswalk to the input industry code.

2 Ind Matches

	Code	Title	NAICS
Select	199	PRINTING AND RELATED SUPPORT ACTIVITIES	3231
Select	648	PUBLISHING EXCEPT NEWSPAPERS AND SOFTWARE	511120

#3

« < 1 > »

#4 Crosswalked Occupation Titles and Codes

This section of the screen displays the occupation codes and titles that crosswalk to the input occupation code.

2 Occ Matches

	Code	Title	SOC
Select	824	JOB PRINTERS	51-5021
Select	826	PRINTING MACHINE OPERATORS	51-5023

#4

« < 1 > »

#5 Industry and Occupation Codes Selected / Accepted

The user must determine the correct crosswalk code for each industry and occupation input value then click the **Accept** button.

Once a code is accepted, the box will display a **green** background.

The **Reset** button deletes the code.

The **999** button is used to indicate “insufficient” information to code the response.

The **Notes** link will open a pop-up box to enter remarks about the record being coded.



The screenshot shows a coding interface with two sections. The top section is labeled "Ind Code:" and contains the value "199" in a green box. Below it are buttons for "Accept", "Reset", and "Insufficient Info". The bottom section is labeled "Occ Code:" and contains the value "826" in a green box. Below it are buttons for "Accept", "Reset", and "Insufficient Info". A large red "#5" is overlaid on the right side of the interface. At the bottom, there is a link labeled "Notes".

How to Assign Industry and Occupation Crosswalk Codes

An industry or occupation crosswalk code can be assigned in one of two ways:

- 1) By clicking on the **Select** link next to the desired code from the **Ind Matches** or **Occ Matches** crosswalked results boxes.

Crosswalk Results:

2 Ind Matches

	Code	Title	NAICS
Select	199	PRINTING AND RELATED SUPPORT ACTIVITIES	3231
Select	648	PUBLISHING EXCEPT NEWSPAPERS AND SOFTWARE	511120

« < 1 > »

2 Occ Matches

	Code	Title	SOC
Select	824	JOB PRINTERS	51-5021
Select	826	PRINTING MACHINE OPERATORS	51-5023

« < 1 > »

- 2) By typing a code in the **Ind Code:** or **Occ Code:** boxes. -

Once a code has been selected, the user *must* click the **Accept** button to save the code. After the accept button has been clicked, the box containing the code should turn green.

Occ Code:
5520
Accept **Reset**
999

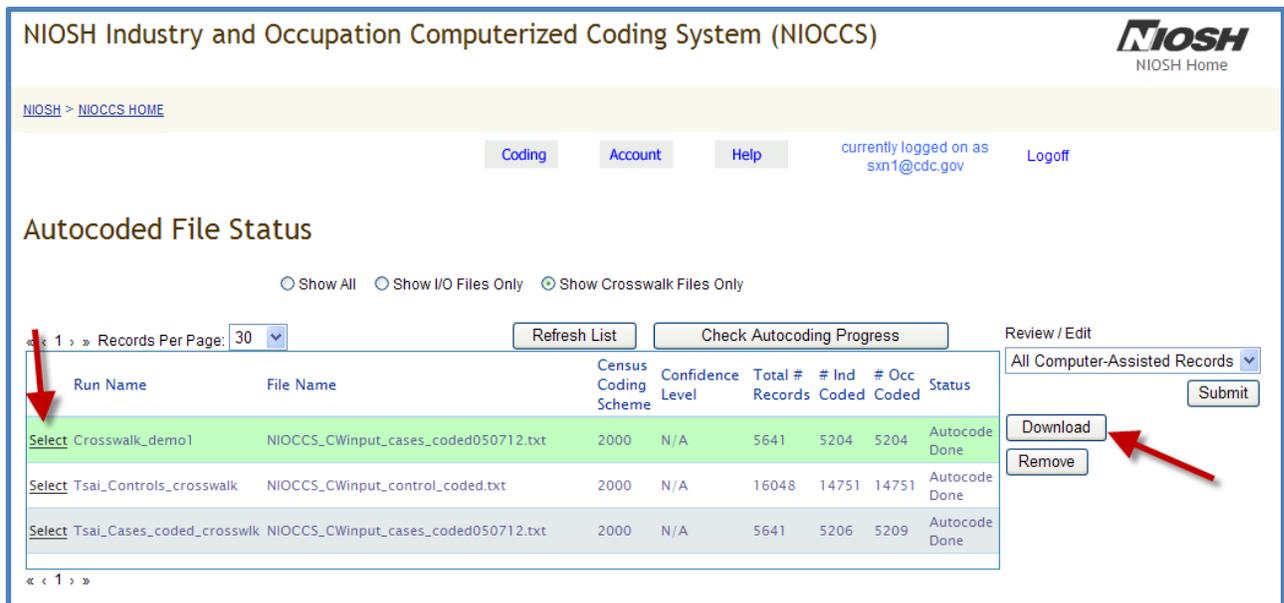
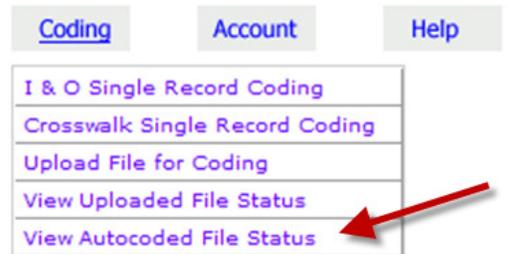
If a code is selected or entered and the Accept button is not clicked before moving to the next record, the following error message will appear:

You have assigned a code but have not accepted it.

Downloading

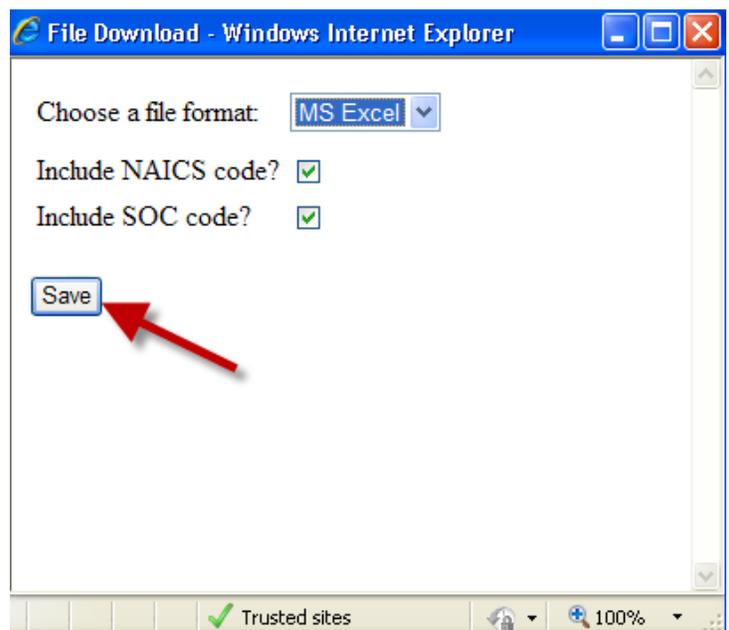
To download a file that has been crosswalked:

1. Go to the **Autocoded File Status** screen
2. Click **Select** next to the file to be downloaded
3. Click the **Download** button on the right side of the screen.

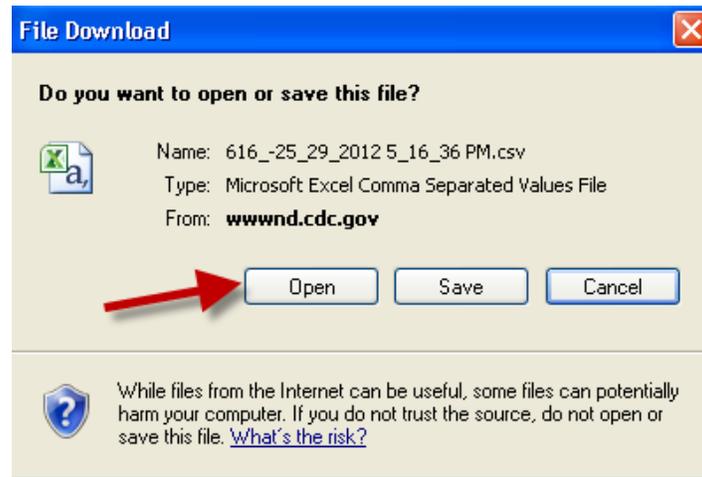


A pop-up box will appear providing options for the download file format. -

6. Choose the file format:
 - a. Plain Text
 - b. MS Excel
7. Check/uncheck the NAICS code box
8. Check/uncheck the SOC code box
9. Click the **Save** button



A Microsoft pop-up window will appear. Choose **Open** to view the downloaded file.



Example of NIOCCS downloaded crosswalk file in MS Excel format: -

	A	B	C	D	E	F	G	H	I
1	ID	Industry Title	Occupation Title	Input Ind code	Input Occ Code	Output Ind code	Output Occ Code	NAICS Code	SOC Code
2	182261	EDUCATION	TEACHER	842	156	786	231	611110	25-2021
3	183291	HAIRCARE	HAIRSTYLIST	772	458	898	451	812112	39-5012
4	183799		TRAIN CONDUCTOR	400	823	608	900	4821	53-1011
5	184533	HOSPITAL	CENTRAL SUPPLY	831	365	819	515	622	43-3061
6	184623	AGRICULTURE	DAIRY FARMER	011	473	018	021	112	11-9012
7	184650	LOS ANGELES POLICE	DETECTIVE	910	418	947	382	922110	33-3021
8	185407	CITY OF LODI	FIREMAN	910	417	947	374	922110	33-2011
9	185506	RAILROAD	SWITCHMAN	400	825	608	760	4821	49-9097
10	187802	SCHOOL TEACHER	SCHOOL TEACHER	842	156	786	231	611110	25-2021